

Agenda for the 19th Int. Laser Workshop ILRS AWG Meeting

Sunday, October 26, Annapolis, MD, USA, 9:00 – 14:00 at:

Maryland Inn, Crown and Crab Room

Sad News:

– Prof. Carl Christian Tscherning passed away early morning on October 24th in Copenhagen.

Other News:

– **Application for a new AC: Univ. of Cape Town, SA (Ramesh Govind)**

AC and CC Reports (*please keep these focused on your ITRF2013 Contributions!!!*)

Combination Center Reports:

- **ASI – AC & CC**
- **JCET – AC & CC**

Followed by Analysis Center Reports:

- **BKG**
- **DGFI**
- **ESA**
- **GFZ**
- **GRGS/OCA**
- **NSGF**
- **LLR WG report**

ITRF2013 RE-ANALYSIS STATUS:

- Participating AC and CC and data analysis periods:

Analysis / Combination Center	Time Span of Data Analysis
ASI AC & CC	1983 – 2013
BKG	1993 – 2013
DGFI	1983 – 2013
ESA	1983 – 2013
GFZ	1983 – 2013
GRGS	1983 – 2013
JCET AC & CC	1983 – 2013
NSGF	1983 – 2013

- CC schedule for delivery of products to ITRS CC for ITRF2013 combination:
 - Official submission (ASI CC): 1983 – 2013 Period Submitted over: Oct. 9 to 24
 - Back-up submission (JCET CC): 1983 – 2013 Period Submitted over: Oct. 17 to 23

ITRF2013 or ITRF2014 ?

- The idea has been discussed already, that we extend the analysis to include 2014 and go for an ITRF2014 that will be valid for a longer period than ITRF2013 would.
- Are the ILRS ACs ready to support a quick re-analysis of the 2014 weeks over the next two months, so that we can deliver a combination to ITRS in early 2015? (by February at the latest!)
- Discussions with CSR indicate that we can have the required input gravity modeling in place and available to the ACs soon enough, so this is not a problem.
- If the ACs can extend their analysis as soon as the required models are available, it is possible that we should only have to do the analysis of the last couple of weeks of 2014 in early January, and the CCs would have the previous' weeks combined by then already, leaving only these last two weeks for analysis and combination in early January 2015.

Evaluation schedule to ITRF2013 (or ITRF2014):

- As with previous ITRF models, the ILRS AC/AAC will be involved in the evaluation of the new model to ensure that there is no unexpected behavior or degraded performance in analyzing SLR/LLR data.
- We should agree on what we will need from ITRS at a minimum in order to be able to carry out the evaluation in a reasonable time frame (e.g. Coordinates and velocities for all SLR/LLR sites and “break histories”, IERS EOP series aligned with the new ITRF, etc.).
- We need to know which groups are willing to participate; must submit a plan of what they plan to test for, by **“YYMMDD” (TBD)**
- Conversion of the current operational process standards to one aligned with the mode of analysis used for the ITRF2013 re-analysis, by when? **YYMMDD (TBD)**

If time permits!

AWG new products, revised analysis procedures and modeling standards:

- ○ *Revise current AWG rules on the regular estimation of systematic errors for all sites (new product from same SINEX)*
- ○ *Estimation of low-degree SH of the gravity field (decide a priori gravity & tides model)*
- ○ *Inclusion of LARES as a 5th satellite in the group of analyzed data*
- ○ The NT Atm. Loading & Gravity implementation will continue as an internal PP
- ○ The naming convention and the directory structure at the data centers should be revised
- ○ Orbital Product

Other topics, next meeting...

- **Next AWG meeting, on Friday prior to the EGU 2015, (April 10, 2015) ???**

Last meeting (EGU 2014) action items:

✓ = DONE

- 1. UPDATE AWG pages on ILRS recently launched website (send comments/suggestions to ECP)**
- ~~2. Daily EOP product comparison with IERS EOP C04 08 to be done (CS, ECP)~~
- 4. The orbit combination to be done by the next AWG (CS, ECP)**
- ~~9. SLRF2008 should be updated (ECP, CL, HM) ✓~~
- ~~12. JM to ensure that LLR QC service gives feedback to the stations~~
- 14. JCET, DGFI, HITU and SAO to discuss the procedure for quick coordinate updates for QC process**
- 16. ACs must send their updated description files for their operational products to Carey**
- 19. STATUS: ESA & NSGF AC must implement the gravity coefficient parameter estimation???**
- 21. We must start the low degree harmonics Pilot Project after the ITRF2013 product completion**
- ~~22. CB should ask stations to increase ETALON time (ILRS CB/ECP) ✓~~
- ~~23. HM will update the Data Handling file to include an entry for the current CoM model and a Yarragadee break in early 2010 (exact date TBD → ECP). ✓~~

CL – Cinzia Luceri
GP – Gilda Pace
DT – Daniela Thaller
ECP – E. C. Pavlis
FD – Florent Deleflie
GA – Graham Appleby
HM – Horst Müller
RK – Rolf König